Chemical:
MRID:
PC Code:
Plot:
Guideline:

Calculation of sampling period times
Application start time:
Area of field (acres):
Application rate (lbs/acre):
Applied dicamba (kg):

Indirect Method Sampling Periods

Period
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data from Appendix D, Table 3, pp. 566-569 of the study report.

Central Mast (Integrated Horizontal Flux Method and Aerodynamic Method) Sampling Periods

Period
1
2
3
4
5
6

Dicamba
51049002
100094
Soybean
835.8100

9/12/2019 11:15	(Appendix B, Table 1, p. 120 of the study report)
18.6	(p. 11 of the study report)
0.5	(p. 18 of the study report)
4.218	(calculated)

Start Time	End Time	Duration (hours)	Start time after application (hours)
9/12/2019 11:40	9/12/2019 15:45	4.08	0.42
9/12/2019 15:26	9/12/2019 19:43	4.28	4.18
9/12/2019 19:24	9/13/2019 8:10	12.77	8.15
9/13/2019 7:54	9/13/2019 18:40	10.77	20.65
9/13/2019 18:26	9/14/2019 8:08	13.70	31.18
9/14/2019 7:52	9/14/2019 18:40	10.80	44.62
9/14/2019 18:26	9/15/2019 8:00	13.57	55.18
9/15/2019 7:42	9/15/2019 18:37	10.92	68.45
9/15/2019 18:13	9/16/2019 8:07	13.90	78.97
9/16/2019 7:42	9/16/2019 18:23	10.68	92.45
9/16/2019 18:08	9/17/2019 7:54	13.77	102.88
9/17/2019 7:40	9/17/2019 18:19	10.65	116.42
9/17/2019 18:06	9/18/2019 7:50	13.73	126.85
9/18/2019 7:32	9/18/2019 18:17	10.75	140.28
9/18/2019 18:12	9/19/2019 8:00	13.80	150.95

Start Time	End Time	Duration (hours)	Start time after application (hours)
9/12/2019 11:44	9/12/2019 15:44	4.00	0.48
9/12/2019 15:47	9/12/2019 19:33	3.77	4.53
9/12/2019 19:35	9/13/2019 8:03	12.47	8.33
9/13/2019 8:05	9/13/2019 18:34	10.48	20.83
9/13/2019 18:35	9/14/2019 7:58	13.38	31.33
9/14/2019 7:58	9/14/2019 18:34	10.60	44.72

End time after application (hours)
4.50
8.47
20.92
31.42
44.88
55.42
68.75
79.37
92.87
103.13
116.65
127.07
140.58
151.03
164.75

End time after application (hours)
4.48
8.30
20.80
31.32
44.72
55.32

7
8
9
10
11
12
13
14
15

Data from Appendix D, Table 2, pp. 563-565 of the study report.

9/14/2019 18:37	9/15/2019 7:49	13.20	55.37
9/15/2019 7:50	9/15/2019 18:19	10.48	68.58
9/15/2019 18:29	9/16/2019 7:56	13.45	79.23
9/16/2019 7:56	9/16/2019 18:14	10.30	92.68
9/16/2019 18:15	9/17/2019 7:46	13.52	103.00
9/17/2019 7:48	9/17/2019 18:14	10.43	116.55
9/17/2019 18:15	9/18/2019 7:39	13.40	127.00
9/18/2019 7:40	9/18/2019 18:16	10.60	140.42
9/18/2019 18:17	9/19/2019 7:52	13.58	151.03

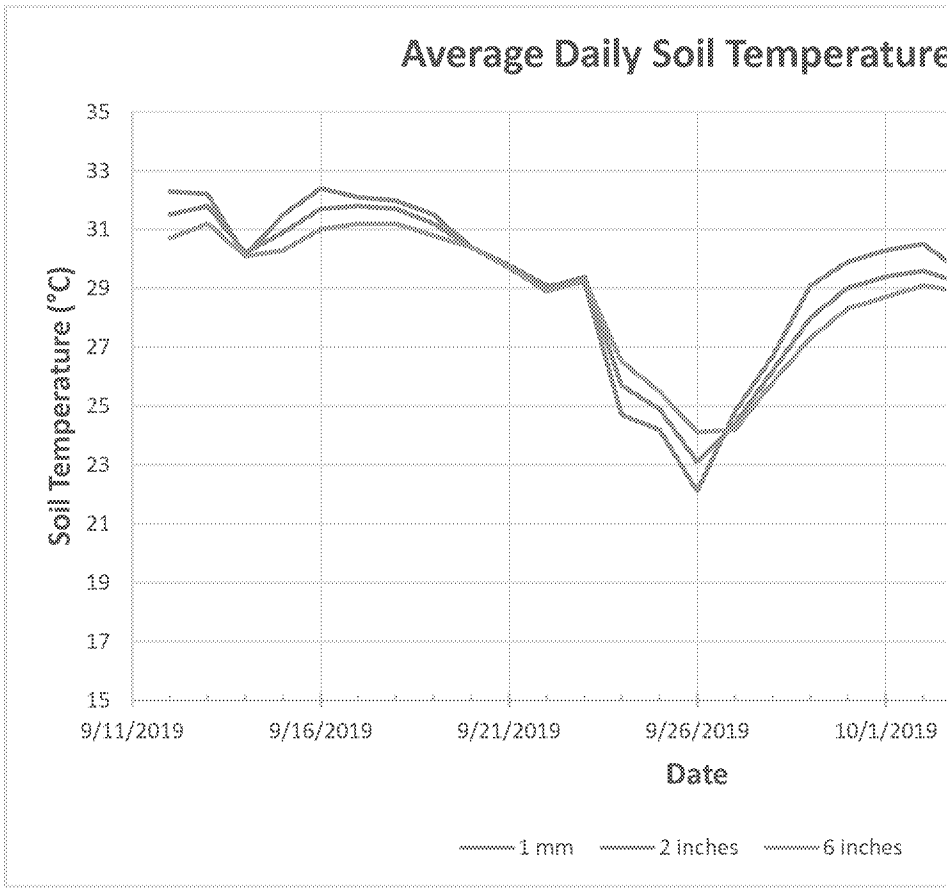
68.57
79.07
92.68
102.98
116.52
126.98
140.40
151.02
164.62

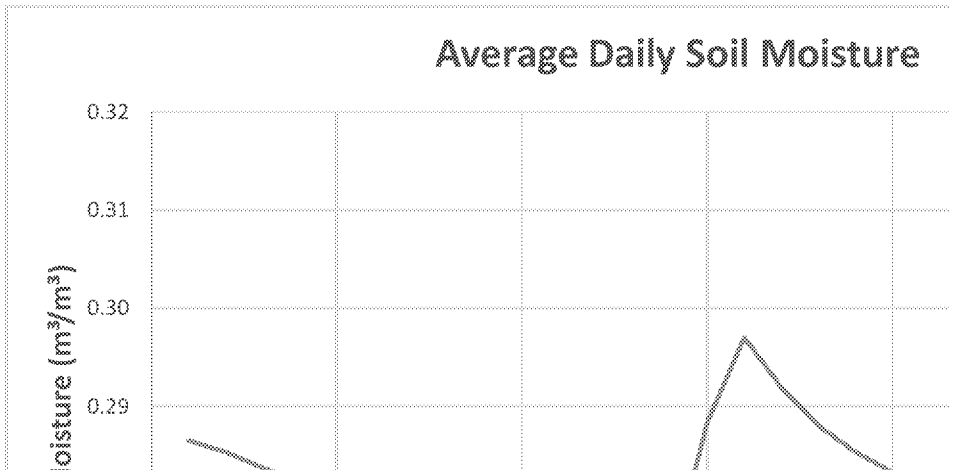
Chemical:	Dicamba
MRID:	51049002
PC Code:	100094
Plot:	Soybean
Guideline:	835.8100

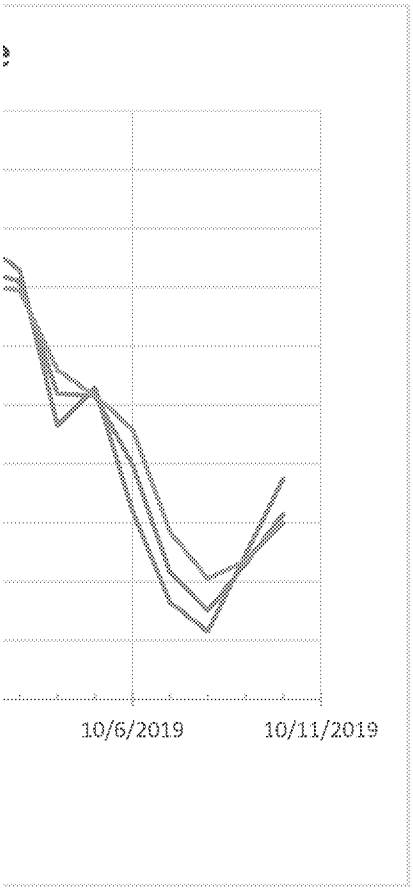
Data are average daily data from Appendix B, Table 14, pp. 139-140 of the study report.

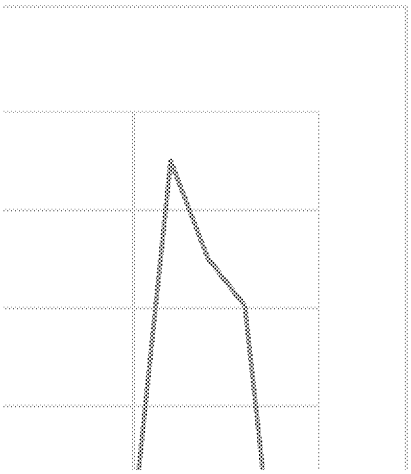
Date	Soil Temp at 1 mm (°C)	Soil Temp at 2 in (°C)
9/12/2019	32.3	31.5
9/13/2019	32.2	31.8
9/14/2019	30.1	30.2
9/15/2019	31.5	30.9
9/16/2019	32.4	31.7
9/17/2019	32.1	31.8
9/18/2019	32.0	31.7
9/19/2019	31.5	31.2
9/20/2019	30.4	30.4
9/21/2019	29.8	29.7
9/22/2019	29.1	29.0
9/23/2019	29.2	29.4
9/24/2019	24.7	25.7
9/25/2019	24.2	24.9
9/26/2019	22.1	23.1
9/27/2019	24.8	24.4
9/28/2019	26.7	26.2
9/29/2019	29.1	28.0
9/30/2019	29.9	29.0
10/1/2019	30.3	29.4
10/2/2019	30.5	29.6
10/3/2019	29.6	29.2
10/4/2019	24.3	25.4
10/5/2019	25.6	25.3
10/6/2019	21.4	23.0
10/7/2019	18.3	19.3
10/8/2019	17.3	18.0
10/9/2019	19.9	19.6
10/10/2019	22.5	21.3

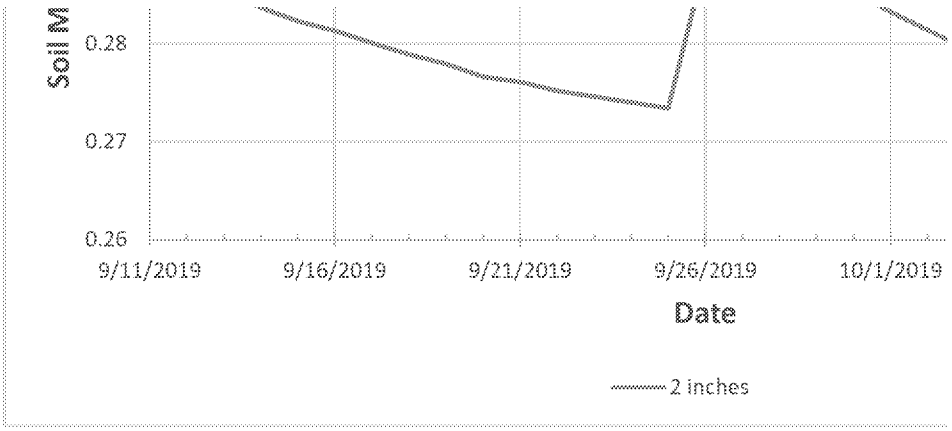
Soil Temp at 6 in (°C)	Soil Moist at 2 in (m^3/m^3)
30.7	0.2865
31.2	0.2853
30.1	0.2837
30.3	0.2823
31.0	0.2813
31.2	0.2801
31.2	0.2789
30.8	0.2779
30.4	0.2766
29.7	0.2761
28.9	0.2752
29.3	0.2746
26.5	0.2740
25.5	0.2734
24.1	0.2883
24.2	0.2970
25.8	0.2919
27.3	0.2880
28.3	0.2853
28.7	0.2832
29.1	0.2814
28.9	0.2795
26.2	0.2775
25.3	0.2765
24.2	0.2784
20.7	0.3150
19.1	0.3051
19.7	0.3002
21.0	0.2654

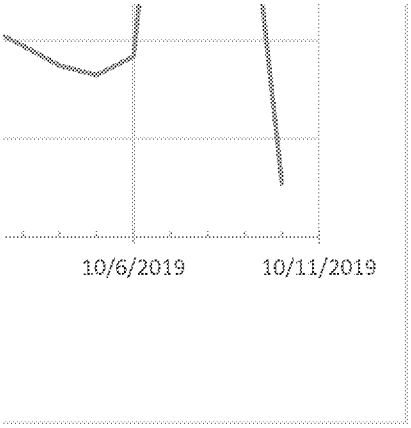




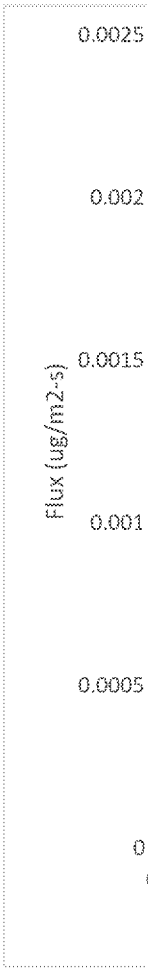

10/6/2019
10/11/2019

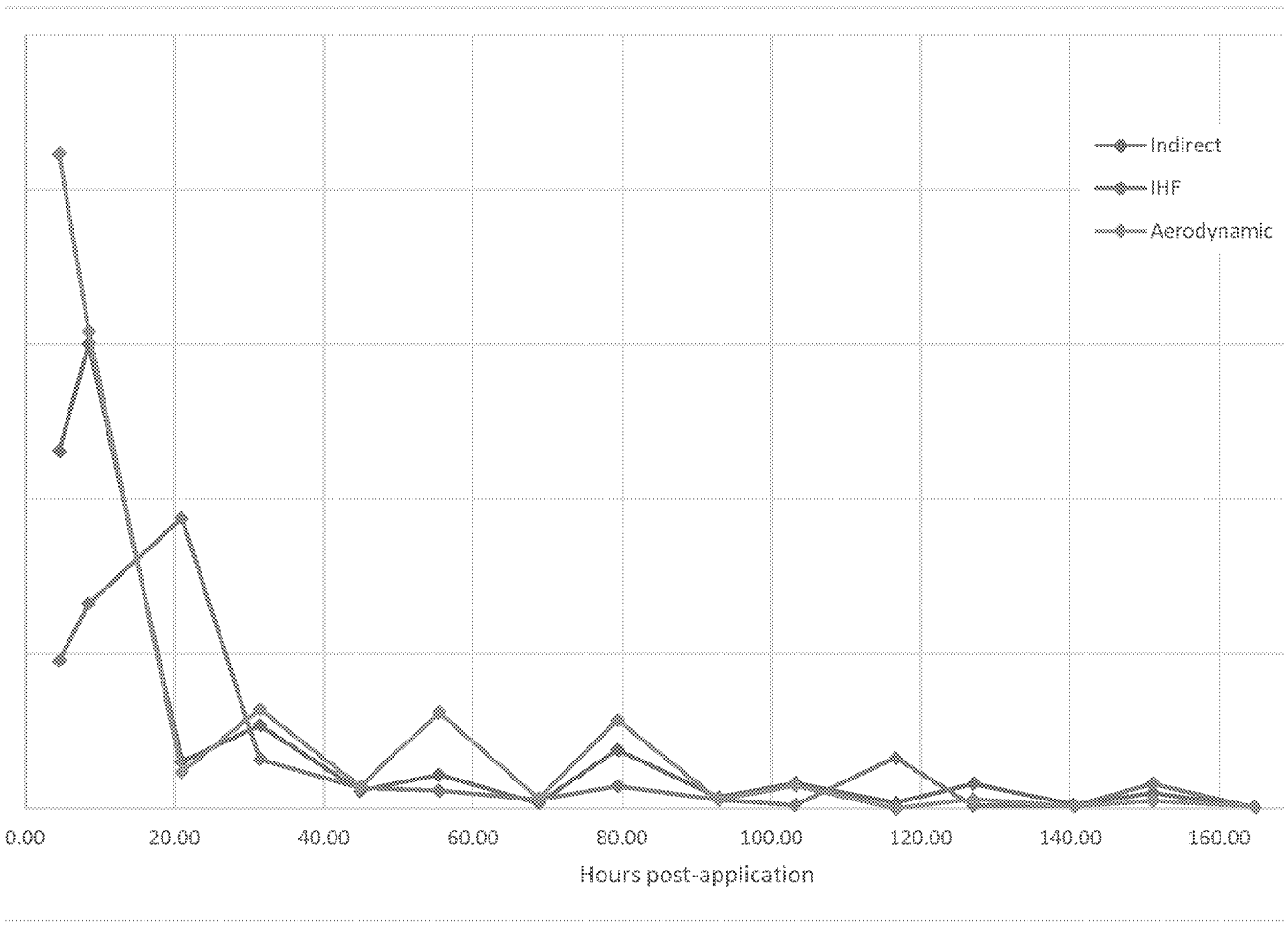


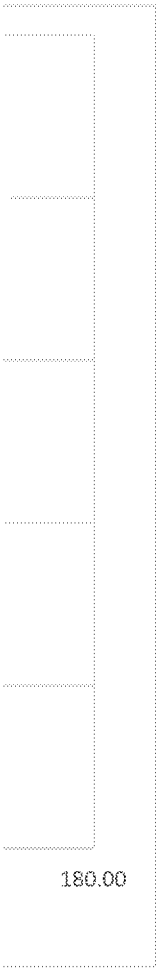

Soil M
0.28
0.27
0.26
9/11/2019
9/16/2019
9/21/2019
9/26/2019
10/1/2019
Date
2 inches


10/6/2019
10/11/2019

Period	Time Post Application (hrs.)	Indirect Flux (ug/m2·s)	IHF Flux (ug/m2·s)	Aerodynamic Flux (ug/m2·s)
1	4.50	0.001154168	0.000476719	0.002117
2	8.47	0.001502504	0.000661878	0.001543
3	20.92	0.000150253	0.000938684	0.000117
4	31.42	0.000268561	0.000158393	0.000321
5	44.88	5.69751E-05	6.5617E-05	0.000071
6	55.42	0.000108323	5.65814E-05	0.00031
7	68.75	1.62094E-05	2.7175E-05	0.000032
8	79.37	0.000188416	7.18297E-05	0.000285
9	92.87	3.52576E-05	2.85629E-05	0.000028
10	103.13	8.20979E-05	1.10325E-05	0.000074
11	116.65	1.7384E-05	0.000162921	0
12	127.07	7.98522E-05	9.11902E-06	0.000029
13	140.58	1.19148E-05	7.45109E-06	0.000007
14	151.03	4.96581E-05	7.95367E-05	0.000025
15	164.75	3.50023E-06	2.61411E-06	0.000006




Indirect
IHF
Aerodynamic
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
Hours post-application


180.00